

Our Docket/Ref. No.: CISCO-7702

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hart et al.

Serial No.: 10/698,703

Filed: October 31, 2003

Title: INITIAL TIMING ESTIMATION IN
AN WIRELESS NETWORK
RECEIVER

Group Art Unit: 2682

Examiner:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL: INFORMATION DISCLOSURE STATEMENT

Dear Commissioner:


Transmitted herewith are:

- ☒ An Information Disclosure Statement for the above referenced patent application, together with PTO form 1449 and a copy of each reference cited in form 1449.
- ☐ A payment for petition fees.
- ☒ Return postcard.
- ☒ The commissioner is hereby authorized to charge payment of any missing fee associated with this communication or credit any overpayment to Deposit Account 50-0292.

A DUPLICATE OF THIS TRANSMITTAL IS ATTACHED

Date: Feb. 12, 2004

Respectfully submitted,


Dov Rosenfeld
Attorney/Agent for Applicant(s)
Reg. No. 38687

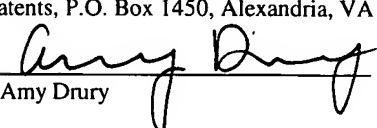
Correspondence Address:

Dov Rosenfeld
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Oakland, CA 94618
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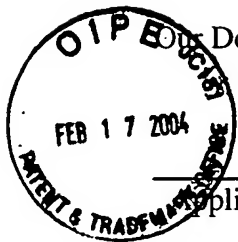
Certificate of Mailing under 37 CFR 1.18

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Date of Deposit: Feb. 12, 2004

Signature: 

Amy Drury



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INFORMATION DISCLOSURE STATEMENT

Dear Commissioner:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Certification under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p)
(After the CFR 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with a:
☐ Certification under 37 CFR 1.97(e), and
☐ a petition under 37 CFR 1.97(d)(2)(ii), and
☐ a \$130.00 petition fee set forth in 37 CFR 1.17(i)(1).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

☒ Applicant(s) submit herewith Form PTO 1449-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

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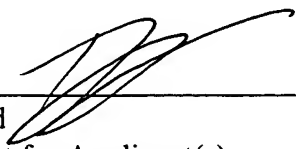
Signature: Amy Drury
Amy Drury

It is expressly requested that the cited information be made of record in the application and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Date: Feb. 12, 2004

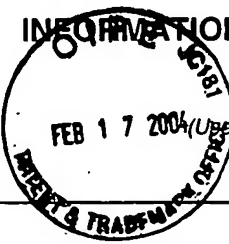
Respectfully submitted,



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 <p style="font-size: small;">(Use several sheets if necessary)</p>				ATTY. DOCKET NO. CISCO-7702		SERIAL NO. 10/698,703	
				APPLICANT Hart et al.			
				FILING DATE 31 Oct 2003		GROUP 2682	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
	AB						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
	AC						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)							
	AD	A. Fort, J. Weijers, V. Derudder, W. Eberle, A. Bourdoux. "A Performance and Complexity Comparison of Auto-Correlation and Cross-Correlation for OFDM Burst Synchronization." Proceeding of ICASSP, April 2003, Hong Kong.					
	AE	M. Gertou, G. Karachalios, D. Triantis, K. Papantoni, P. Dallas. "Synchronization Approach for OFDM Based Fixed Broadband Wireless Access Systems." IST Communications Mobile Summit 2001, September 9-12, 2001. Barcelona, Spain. URL: http://easy.intranet.gr/paper_23.pdf					
	AF	M. Lasanen, J. Rautio, M. Nissil. "Timing Synchronization of the WIND-FLEX OFDM Prototype." IST Mobile & Wireless Telecommunications Summit 2002, June 16-19, 2002. Thessaloniki, Greece. URL: http://www.vtt.fi/ele/research/els/projects/windflexdocs/ist2002_synch_mpl.pdf					
	AG	R. Dönmez. "Synchronization Problem in OFDM Systems and Digital Design of ETSI OFDM STS Symbol Synchronizer IP." Masters of Science Thesis, May 2003. Sabancı University, Turkey. URL: http://people.sabanciuniv.edu/~yasar/thesis/riza_thesis_short.pdf					
	AH	F. Tufvesson, O. Edfors. "Preamble-based Time and Frequency Synchronization for OFDM systems." Submitted to IEEE Journal on Selected Areas in Communications, January 2000. Also published in Fredrik Tufvesson, "Design of Wireless Communication Systems - Issues on Synchronization, Channel Estimation and Multi-Carrier Systems", Series of Licentiate and Doctoral Theses, no. 19, ISSN 1402-8662, ISBN 91-7874-059-2, Department of Applied Electronics, Lund University, Lund, Sweden, August 2000.					
	AI	J. Van de Beek, M. Sandell, P.O. Börjesson. "ML Estimation of Time and Frequency Offset in OFDM Systems." IEEE Transactions on Signal Processing, vol. 45, no. 7, pp. 1800-1805, July 1997. URL: http://www.sm.luth.se/csee/sp/research/article/ML_Est_Time_&_Frequency.pdf					
EXAMINER				DATE CONSIDERED			
<p>*EXAMINER: initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and <u>not</u> considered. Include a copy of this form with next communication to Applicant.</p>							